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1. The Czystochowa Iron Works, located a short distance north of the Katowice industrial area, is a large undertaking which includes several types of plants. It boasts a blast furnace, a Siemens-Martin steel mill, a rolling mill, and a wire drawing mill and nail factory. The enterprise has its own ore deposits in Porai, south of Czystochowa on the way to Katowice. The ore, a spathic iron (Spateisenstein), adapts itself readily to the manufacture of pig iron, steel, and spiegel iron. Coke and coal for the works come from the nearby industrial area of Upper Silesia between Katowice and Gleiwitz.

2. The installations are as follows:

a. Blast Furnaces:

There are two furnaces with a daily output of 200 tons each. One of the furnaces was completely rebuilt and modernized during the German occupation in 1943. A modern Theisen gas purification plant was also erected. The blast furnace installations include a Dwight-Lloyd sinter belt as well as a 3 km. overhead cable railway which leads to a nearby limestone quarry owned by the plant. For each furnace there are three Cowper ovens.

b. Steel Mill:

The steel mill is composed of four Siemens-Martin furnaces with a capacity of forty tons in two units and sixty tons in the other two. The mill is supplied with fluid raw iron from the blast furnace. It was modernized during the German occupation. New cranes including a second scrap magnet-crane, scrap shears, a shaving breaker, and a scrap-piling machine were also erected.

c. Rolling Mill:

The rolling mill is equipped with a 700 mm blooming mill (Blockstrasse) and a 500- 600 mm medium rolling train (Mittelstrasse). The two receive their power from the same engine. The blooming mill has a lifting table, the medium rolling train an antiquated lever mechanism (Dachrippe). The rolling program of this mill includes billets (Knüppel), bar iron, sheet billets, and rails. There is also a 350 mm fine iron mill (Feinstrasse) with four frames which roll fine iron, small profiles, and band iron. Adjoining the fine iron mill is a six-frame wire rolling mill (Draht-

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strasse). All mills are driven by steam engines. During the German occupation the old coal-heated rolling mill ovens were replaced by modern gas ovens, the crane installations were modernized, and new tracks and a roller straightening machine (Rollenrichtmaschine) were installed.

d. Wire Drawing Mill:

The wire drawing mill (Drahtzieherei) contains several wire drawing benches (Drahtzüge) for the drawing of wire up to 0.5 mm. The drawn wire is then manufactured into nails in the adjoining nail factory. The wire drawing mill was also modernized.

- e. Grey Iron Foundry: This foundry (Graugießerei) was erected in a new building in January 1944. It has two cupola furnaces with an hourly capacity of 6 tons. Production is primarily devoted to iron molds for the steel mill.

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